THE PHILIPPINE JOURNAL OF SCIENCE

VOLUME 49

SEPTEMBER TO DECEMBER, 1932

WITH 159 PLATES AND 32 TEXT FIGURES

MANILA
BUREAU OF PRINTING
1932

EDITORIAL BOARD

WILLIAM H. BROWN, PH.D., *Editor*
A. S. ARGÜELLES, B.S., *Associate Editor*
R. C. MCGREGOR, A.B., *Associate Editor*
LUCILE M. LIDSTONE, *Copy Editor*

Chemistry

A. P. WEST, PH.D.; T. DAR JUAN, PHAR.D.
F. D. REYES, B.S.; R. H. AGUILAR, CH.E.; MANUEL ROXAS, PH.D.
J. C. ESPINOSA, B.S. IN CH.E.; MARIA Y. OROSA, PH.C., M.S.

Geology

VICTORIANO ELICAÑO, B.S.; LEOPOLDO A. FAUSTINO, E.M., PH.D.

Experimental Medicine

OTTO SCHÖBL, M.D.; H. W. WADE, M.D.
STANTON YOUNGBERG, D.V.M.; ARTURO GARCIA, M.D.
DANIEL DE LA PAZ, M.D.; R. L. HOLT, M.D.; CRISTOBAL MANALANG, M.D.

Clinical Medicine

LIBORIO GOMEZ, M.D., PH.D.; F. CALDERON, L.M.
JACOBO FAJARDO, M.D.; JOSÉ ALBERT, M.D.; H. LARA, M.D.
JOSÉ RODRIGUEZ, M.D.; CARMELO REYES, M.D.

Botany

L. M. GUERRERO, PHAR.D.; A. F. FISCHER, C.E., M.F.
J. K. SANTOS, PH.D.; P. L. SHERMAN, PH.D.; EDUARDO QUISUMBING, PH.D.
JOAQUIN MARAÑON, PH.D.; RAFAEL B. ESPINO, PH.D.
H. ATHERTON LEE, M.S.

Zoölogy

WALLACE ADAMS; MARCOS A. TUBANGUI, D.V.M.
HERACLIO R. MONTALBAN, M.A.; LEOPOLDO B. UICHANCO, SC.D.
MANUEL D. SUMULONG, M.S., D.V.M.

Anthropology

H. O. BEYER, M.A.; OTTO JOHNS SCHEERER, M.A.
E. E. SCHNEIDER, B.L.

CONTENTS

No. 1, September, 1932

[Issued August 3, 1932.]

Page.

KINTNER, J. H., and R. L. HOLT. Equine osteomalacia 1
Twenty-four plates and sixteen text figures.

DE BEAUFORT, L. F. Ambassidæ from the Philippines 91

RUSSELL, PAUL F., and AUGUSTUS P. WEST. Some studies in the larvicidal effects of arsenicals other than Paris green against anopheles larvæ. Larvicide studies, III 97

ALEXANDER, CHARLES P. New or little-known Tipulidæ from eastern Asia (Diptera), X 105
Three plates.

No. 2, October, 1932

[Issued September 22, 1932.]

QUISUMBING, EDUARDO. Teratology of Philippine orchids 137
Three plates.

LAM, H. J. A monotypic plant order new to the Philippine flora 143

SKVORTZOW, B. W. Desmids from Korea, Japan 147
Five plates.

HUMPHREY, C. J., and SIMEONA LEUS-PALO. Studies and illustrations in the Polyporaceæ, III. Supplementary notes on the Ganoderma applanatum group 159
Twelve plates.

MENDOZA, JOSÉ MIGUEL. New or noteworthy Philippine fungi, II 185
Ten plates

FAUSTINO, LEOPOLDO A. Notes on the Philippine black corals 197
Five plates.

FAUSTINO, LEOPOLDO A. The development of karst topography in the Philippine Islands 203
Two plates and one text figure.

WEST, AUGUSTUS P., and PAUL F. RUSSELL. Experiments with various toxic substances partially adsorbed on charcoal as an anopheles larvicide. Larvicide studies, IV 211
One plate.

RUSSELL, PAUL F., and DOMINGO SANTIAGO. Anopheles minimus larvæ from wells in Laguna Province, Philippine Islands 219
One plate.

Page.

NONO, ANDRES M. Avian malaria studies, VI. Susceptibility of Lutzia fuscana (Wiedemann) Edwards to avian malaria 225
One plate.

ALEXANDER, CHARLES P. New or little-known Tipulidæ from the Philippines (Diptera), XVI 231
Four plates.

CUSHMAN, R. A. Baker's entomologica malayana: The ichneumonid genus Diapetus Cameron 277
Two text figures.

TUBANGUI, MARCOS A. The molluscan intermediate host in the Philippines of the Oriental blood fluke Schistosoma japonicum Katsurada 295
Five plates.

No. 3, November, 1932

[Issued November 5, 1932.]

HOLT, RUFUS L., and PAUL F. RUSSELL. Malaria and anopheles reconnaissance in the Philippines 305
Seven plates and one text figure.

ALEXANDER, CHARLES P. New or little-known Tipulidæ from eastern Asia (Diptera), XI 373
Three plates.

REYES, GAUDENCIO M. An unreported fungous disease of the Philippine migratory locust 407
Five plates.

REYES, GAUDENCIO M. Artificial infection of the coconut leaf miner with Beauveria globulifera (Spegazzini) Picard 419
Five plates.

MENDOZA, JOSÉ MIGUEL. The Philippine species of Parasterina 443
Fifteen plates.

MARAÑON, JOAQUIN. Nitrogen distribution in the leaves of Philippine camphor trees 461

MONSERRAT, CARLOS. Pseudomycetoma in the Philippines, with report of one case 469
Four plates.

No. 4, December, 1932

[Issued December 24, 1932.]

AMES, OAKES, and EDUARDO QUISUMBING. New or noteworthy Philippine orchids, III 483
Twenty-eight plates.

GEE, N. GIST. Another collection of fresh-water sponges from the Philippine Islands 505
Nine text figures.

FAUSTINO, LEOPOLDO A. Recent and fossil shells from the Philippine Islands, I 543
Two plates.

Page.

RENSCH, BERNHARD. Eine neue Hydrobiide von den Philippinen.... 551
One text figure.

VOSS, EDUARD. Entomologica malayana bakeri: Einige unbeschriebene Rhynchitinen (Coleoptera, Curculionidæ). 25. Beitrag zur Kenntnis der Curculioniden 555

KLEINE, R. Neue Brenthidæ und Lycidæ von den Philippinen..... 571
One plate.

MYERS, ROLLIN G. Determination of organic matter in accumulator sulphuric acid solutions 581

CURRAN, H. M., F. M. YENKO, LUZ BAENS, and AUGUSTUS P. WEST. Composition of some Philippine hardwoods, IV..... 587
Four plates.

RUSSELL, PAUL F., and ANDRES M. NONO. Avian malaria studies, VII. Plasmochin as a prophylactic drug in sporozoite infections of avian malaria 595
One plate.

RUSSELL, PAUL F. Avian malaria studies, VIII. The bleeding time in canaries; normal and in malaria..... 627
Five plates and one text figure.

RUSSELL, PAUL F., and AUGUSTUS P. WEST. The effect on Culex larvæ of Paris green diluted with charcoal and notes on the feeding habits of Culex quinquefasciatus. Larvicide studies, V.... 651
Three plates and one text figure.

INDEX 677